

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v10)**

1. Expand the following expression into standard form.

$$(3x + 4)(7x - 8)$$

2. Factor the expression.

$$49x^2 - 36$$

3. Expand the following expression into standard form.

$$(8x + 7)^2$$

4. Factor the expression.

$$x^2 - 11x + 28$$

5. Solve the equation.

$$(2x + 3)(5x - 4) = 0$$

6. Expand the following expression into standard form.

$$(2x - 9)(2x + 9)$$

7. Solve the equation.

$$5x^2 + 27x + 59 = 2x^2 - 4x + 3$$

8. Solve the equation with factoring by grouping.

$$12x^2 + 15x + 8x + 10 = 0$$